

## WEST Search History





DATE: Tuesday, December 28, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L30	L29 and mirror\$	10
<input type="checkbox"/>	L29	L28 and metadata	13
<input type="checkbox"/>	L28	L27 and (second near5 inode)	28
<input type="checkbox"/>	L27	L26 and (first near5 inode)	40
<input type="checkbox"/>	L26	(inode near5 address\$)	86
<input type="checkbox"/>	L25	(inode\$1 and address\$).ti.	2
<input type="checkbox"/>	L24	l19 and (first near5 inode)	0
<input type="checkbox"/>	L23	L19 and (ditto near5 address\$1)	0
<input type="checkbox"/>	L22	L19 and (dittonear5 address\$1)	0
<input type="checkbox"/>	L21	L19 and (exact near5 address\$1)	0
<input type="checkbox"/>	L20	L19 and ('same' near5 address\$1)	0
<input type="checkbox"/>	L19	L18 and inode	5
<input type="checkbox"/>	L18	(invalid) same (disk near5 address)	100
<input type="checkbox"/>	L17	L16 and (invalid near5 address)	0
<input type="checkbox"/>	L16	(inode) same (disk adj5 address)	47
<input type="checkbox"/>	L15	(file\$1 and inode\$1).ti.	16
<input type="checkbox"/>	L14	L13 and invalid	8
<input type="checkbox"/>	L13	L12 and snapshot\$	10
<input type="checkbox"/>	L12	L11 and address	10
<input type="checkbox"/>	L11	L10 and (source near5 file\$1)	10
<input type="checkbox"/>	L10	(inode) near5 (disk address)	24
<input type="checkbox"/>	L9	L8 and (disk near5 address)	8
<input type="checkbox"/>	L8	L7 and (ditto adj5 address)	8
<input type="checkbox"/>	L7	(first near5 inode\$1)	212
<input type="checkbox"/>	L6	(snapshot\$ and metadata\$).ti.	8
	<i>DB=EPAB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L5	WO-2003069477-A2.did.	0
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L4	US-6829617-B2.did.	1
<input type="checkbox"/>	L3	US-6829617-B2.did.	1
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		

<input type="checkbox"/>	L2	(snapshot\$ and inode\$1).ti.	8
<input type="checkbox"/>	L1	(copy\$ and inode\$1).ti.	3

END OF SEARCH HISTORY

## Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040236798 A1

Using default format because multiple data bases are involved.

L30: Entry 1 of 10

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040236798

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040236798 A1

TITLE: Migration of control in a distributed segmented file system

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Srinivasan, Sudhir	Chelmsford	MA	US	
Orszag, Steven A.	Princeton	NJ	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. Data
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☐ 2. Document ID: US 20030159007 A1

L30: Entry 2 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159007 A1

TITLE: Deferred copy-on-write of a snapshot

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 711/154; 711/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. Data
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h e b b g e e e f e ef b e

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☐ 3. Document ID: US 20030158873 A1

L30: Entry 3 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158873

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158873 A1

TITLE: Dynamic links to file system snapshots

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/204

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 4. Document ID: US 20030158863 A1

L30: Entry 4 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158863 A1

TITLE: File system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/200

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 5. Document ID: US 20030158862 A1

L30: Entry 5 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158862

h e b b g e e f e ef b e

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158862 A1

TITLE: Standby file system with snapshot feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Eshel, Marc M.	San Jose	CA	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. De
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☐ 6. Document ID: US 20030158861 A1

L30: Entry 6 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158861  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158861 A1

TITLE: Providing a snapshot of a subset of a file system

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. De
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☐ 7. Document ID: US 20030158834 A1

L30: Entry 7 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158834  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158834 A1

TITLE: Writable file system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 8. Document ID: US 6829617 B2

L30: Entry 8 of 10

File: USPT

Dec 7, 2004

US-PAT-NO: 6829617

DOCUMENT-IDENTIFIER: US 6829617 B2

TITLE: Providing a snapshot of a subset of a file system

DATE-ISSUED: December 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon, Wayne A.	San Jose	CA		
Schmuck, Frank B.	Campbell	CA		

US-CL-CURRENT: 707/102; 707/10, 707/205, 707/4, 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Ds
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☐ 9. Document ID: US 6782389 B1

L30: Entry 9 of 10

File: USPT

Aug 24, 2004

US-PAT-NO: 6782389

DOCUMENT-IDENTIFIER: US 6782389 B1

TITLE: Distributing files across multiple, permissibly heterogeneous, storage devices

DATE-ISSUED: August 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chrin, David Michael	Princeton	NJ		
Jackson, Philip Eric	Princeton Junction	NJ		
Orszag, Steven Alan	Princeton	NJ		

US-CL-CURRENT: 707/10; 707/200, 707/205

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 10. Document ID: US 6748504 B2

L30: Entry 10 of 10

File: USPT

Jun 8, 2004

US-PAT-NO: 6748504

DOCUMENT-IDENTIFIER: US 6748504 B2

TITLE: Deferred copy-on-write of a snapshot

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 711/162; 707/202, 711/221

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
MIRROR\$	0
MIRROR	563098
MIRRORA	27
MIRRORAActor	1
MIRRORABLE	11
MIRRORABOUTXAXIS	1
MIRRORABOUTYAXIS	1
MIRRORACCESSIBLE	1
"MIRRORACCESSORIES.HTM"	1
MIRRORACTUATING	2
MIRRORADIPT	1
(L29 AND MIRROR\$ ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10

[There are more results than shown above. Click here to view the entire set.](#)

Display Format:

## Hit List

### Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20030158863 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 3

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745679

DERWENT-WEEK: 200370

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TITLE: File system snapshot provision method in computer system, involves copying inode corresponding to source file, without copying disk address of data block when only metadata is modified

INVENTOR: HASKIN, R L; SAWDON, W A ; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077345 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158863 A1	August 21, 2003		055	G06F012/00

INT-CL (IPC): G06 F 12/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw De
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☐ 2. Document ID: US 20030158834 A1

L1: Entry 2 of 3

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745664

DERWENT-WEEK: 200370

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TITLE: File system snapshot updating method used for e.g. data backup, involves copying data contents including shadow inode and data block referenced by disk address in shadow inode

INVENTOR: SAWDON, W A; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077371 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158834 A1	August 21, 2003		055	G06F007/00



INT-CL (IPC): G06 F 7/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNIC	Draw D
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☐ 3. Document ID: AU 200230883 A, US 20020078244 A1, WO 200250684 A2

L1: Entry 3 of 3

File: DWPI

Jul 1, 2002

DERWENT-ACC-NO: 2002-617425

DERWENT-WEEK: 200269

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TITLE: Object-based distributed file system for computer system, updates file atomically in response to file commit by writing working copy of inode to non-volatile memory

INVENTOR: HOWARD, J H

PRIORITY-DATA: 2000US-0739618 (December 18, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 200230883 A</u>	July 1, 2002		000	G06F012/00
<u>US 20020078244 A1</u>	June 20, 2002		019	G06F015/16
<u>WO 200250684 A2</u>	June 27, 2002	E	000	G06F012/00

INT-CL (IPC): G06 F 12/00; G06 F 15/16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
COPY\$	0
COPY	345053
COPYA	28
COPYABIE	5
COPYABILITY	58
COPYABL	1
COPYABLE	400
COPYABLEORIGINAL	1
COPYABLE-ADDKESGES-ON	1
COPYABLE-MEDIA	1
((COPY\$ AND INODE\$1).TI. ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

There are more results than shown above. [Click here to view the entire set.](#)

## Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20030195903 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 8

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030195903

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030195903 A1

TITLE: System and method for asynchronous mirroring of snapshots at a destination using a purgatory directory and inode mapping

PUBLICATION-DATE: October 16, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manley, Stephen L.	London	CA	GB	
Owara, Shane S.	Mountain View		US	

US-CL-CURRENT: 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030182325 A1

L2: Entry 2 of 8

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030182325

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182325 A1

TITLE: System and method for asynchronous mirroring of snapshots at a destination using a purgatory directory and inode mapping

PUBLICATION-DATE: September 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manley, Stephen L.	London	CA	GB	
Owara, Shane S.	Mountain View		US	

US-CL-CURRENT: 707/204

h e b b g e e e f e e f b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030182312 A1

L2: Entry 3 of 8

File: DWPI

Sep 25, 2003

DERWENT-ACC-NO: 2003-802931

DERWENT-WEEK: 200375

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TITLE: File access redirecting method for use in snapshot, involves providing indirection level in file system inode look up procedure for accessing replicated snapshot

INVENTOR: CHEN, R C; MANLEY, S L

PRIORITY-DATA: 2002US-0100434 (March 19, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030182312 A1	September 25, 2003		036	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20030158873 A1

L2: Entry 4 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745685

DERWENT-WEEK: 200370

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TITLE: Access provision method in client information processing system, involves determining whether most recent snapshot data set includes inode corresponding to inode number specified in link

INVENTOR: SAWDON, W A; SCHMUCK, F B

PRIORITY-DATA: 2002US-0077246 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158873 A1	August 21, 2003		055	G06F017/30

INT-CL (IPC): G06 F 12/00; G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030158863 A1

L2: Entry 5 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745679

DERWENT-WEEK: 200370

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: File system snapshot provision method in computer system, involves copying inode corresponding to source file, without copying disk address of data block when only metadata is modified

INVENTOR: HASKIN, R L; SAWDON, W A ; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077345 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158863 A1	August 21, 2003		055	G06F012/00

INT-CL (IPC): G06 F 12/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20030158834 A1

L2: Entry 6 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745664

DERWENT-WEEK: 200370

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: File system snapshot updating method used for e.g. data backup, involves copying data contents including shadow inode and data block referenced by disk address in shadow inode

INVENTOR: SAWDON, W A; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077371 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158834 A1	August 21, 2003		055	G06F007/00

INT-CL (IPC): G06 F 7/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 6829617 B2, WO 2003069477 A2, US 20030158861 A1, AU 2003214039 A1, EP 1476810 A2

L2: Entry 7 of 8

File: DWPI

Dec 7, 2004

DERWENT-ACC-NO: 2003-671704

DERWENT-WEEK: 200480

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Snapshots generating method, involves storing identifier associated with initial multiple of source files and time of initial snapshot in each inode corresponding to initial multiple of source files

INVENTOR: SAWDON, W A; SCHMUCK, F B

PRIORITY-DATA: 2002US-0077129 (February 15, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 6829617 B2</u>	December 7, 2004		000	G06F017/30
<u>WO 2003069477 A2</u>	August 21, 2003	E	118	G06F011/14
<u>US 20030158861 A1</u>	August 21, 2003		000	G06F017/30
<u>AU 2003214039 A1</u>	September 4, 2003		000	G06F011/14
<u>EP 1476810 A2</u>	November 17, 2004	E	000	G06F011/14

INT-CL (IPC): G06 F 11/14; G06 F 12/00; G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	NUMC	Draw D
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☐ 8. Document ID: CA 2165912 C, CA 2165912 A

L2: Entry 8 of 8

File: DWPI

May 25, 2004

DERWENT-ACC-NO: 1997-457927

DERWENT-WEEK: 200436

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Write anywhere file-system layout e.g. for file server back-up - always writes new data to unallocated blocks on disk, creates snapshots for duplicate inode to be virtual read-only copies of file system

INVENTOR: HITZ, D; LAU, J ; MALCOLM, M ; RAKITZIS, B

PRIORITY-DATA: 1995CA-2165912 (December 21, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>CA 2165912 C</u>	May 25, 2004	E	000	G06F017/30
<u>CA 2165912 A</u>	June 22, 1997		093	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	NUMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
SNAPSHOT\$	0

## Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

### Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20030159007 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159007 A1

TITLE: Deferred copy-on-write of a snapshot

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 711/154; 711/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030158873 A1

L9: Entry 2 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158873

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158873 A1

TITLE: Dynamic links to file system snapshots

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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h e b b g e e e f e ef b e

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☐ 3. Document ID: US 20030158863 A1

L9: Entry 3 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158863 A1

TITLE: File system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 4. Document ID: US 20030158862 A1

L9: Entry 4 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158862

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158862 A1

TITLE: Standby file system with snapshot feature

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Eshel, Marc M.	San Jose	CA	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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☐ 5. Document ID: US 20030158861 A1

L9: Entry 5 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158861  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158861 A1

TITLE: Providing a snapshot of a subset of a file system

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw Da
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☐ 6. Document ID: US 20030158834 A1

L9: Entry 6 of 8

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158834  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158834 A1

TITLE: Writable file system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw Da
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☐ 7. Document ID: US 6829617 B2

L9: Entry 7 of 8

File: USPT

Dec 7, 2004

US-PAT-NO: 6829617  
DOCUMENT-IDENTIFIER: US 6829617 B2

TITLE: Providing a snapshot of a subset of a file system

h e b b g e e e f e e f b e



DATE-ISSUED: December 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 707/102; 707/10, 707/205, 707/4, 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMBC	Draw D
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☐ 8. Document ID: US 6748504 B2

L9: Entry 8 of 8

File: USPT

Jun 8, 2004

US-PAT-NO: 6748504

DOCUMENT-IDENTIFIER: US 6748504 B2

TITLE: Deferred copy-on-write of a snapshot

DATE-ISSUED: June 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 711/162; 707/202, 711/221

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMBC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
DISK	813694
DISC	899744
DISCS	252579
DISKS	205723
ADDRESS	667090
ADDRESSES	283943
(8 AND (ADDRESS NEAR5 DISK)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	8
(L8 AND (DISK NEAR5 ADDRESS) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	8

## Hit List

### Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20030221124 A1

Using default format because multiple data bases are involved.

L19: Entry 1 of 5

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030221124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030221124 A1

TITLE: File level security for a metadata controller in a storage area network

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Curran, Robert J.	West Hurley	NY	US	
Haskin, Roger L.	Morgan Hill	CA	US	

US-CL-CURRENT: 713/201; 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw D
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☐ 2. Document ID: US 20030220974 A1

L19: Entry 2 of 5

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220974

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030220974 A1

TITLE: Parallel metadata service in storage area network environment

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Curran, Robert J.	West Hurley	NY	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Wang-Knop, Kuei-Yu	Poughkeepsie	NY	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 709/205; 707/10

h e b b g e e e f e ef b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030220943 A1

L19: Entry 3 of 5

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220943

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030220943 A1

TITLE: Recovery of a single metadata controller failure in a storage area network environment

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Curran, Robert J.	West Hurley	NY	US	
Wang-Knop, Kuei-Yu	Poughkeepsie	NY	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/202

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20030220923 A1

L19: Entry 4 of 5

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220923

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030220923 A1

TITLE: Mechanism for running parallel application programs on metadata controller nodes

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Curran, Robert J.	West Hurley	NY	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Wang-Knop, Kuei-Yu	Poughkeepsie	NY	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20020010762 A1

L19: Entry 5 of 5

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010762

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010762 A1

TITLE: File sharing system with data mirroring by storage systems

PUBLICATION-DATE: January 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kodama, Shoji	San Jose	CA	US	

US-CL-CURRENT: 709/219; 709/229

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWNC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
INODE	4841
INODES	1102
(18 AND INODE).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	5
(L18 AND INODE ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	5

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